

| Ref # | Hits | Search Query  | DBs             | Default Operator | Plurals | Time Stamp       |
|-------|------|---|-----------------|------------------|---------|------------------|
| S1    | 451  | secure with communicat\$3 with service  | USPAT; EPO; JPO | OR               | ON      | 2003/07/25 13:27 |
| S2    | 31   | secure with communicat\$3 with service and central near (manage\$4 or office)   | USPAT; EPO; JPO | OR               | ON      | 2003/07/25 13:28 |
| S3    | 8    | "5960086".URPN.   | USPAT           | OR               | OFF     | 2003/07/25 13:45 |
| S4    | 4    | "5509054".URPN.   | USPAT           | OR               | OFF     | 2003/07/25 13:46 |
| S5    | 2    | (secur\$3 with "end-to-end") same (central with (manage\$4 or office))  | USPAT; EPO; JPO | OR               | ON      | 2003/07/25 13:57 |
| S6    | 0    | third with party with securing with line  | USPAT; EPO; JPO | OR               | ON      | 2003/07/25 13:58 |
| S7    | 7    | ("4853962"   "4878246"   "5081677"   "5115467"   "5199073"   "5351293"   "5602915").PN.   | USPAT           | OR               | OFF     | 2003/07/25 14:08 |
| S8    | 52   | "5351293".URPN.   | USPAT           | OR               | OFF     | 2003/07/25 14:09 |
| S9    | 345  | 380/44.ccls.  | USPAT           | OR               | OFF     | 2003/07/25 14:19 |
| S10   | 78   | 380/273.ccls.   | USPAT           | OR               | OFF     | 2003/07/25 14:19 |
| S11   | 6    | tunnel\$3 with third near party   | USPAT           | OR               | ON      | 2003/07/25 17:24 |
| S12   | 9    | "5960086".URPN.   | USPAT           | OR               | OFF     | 2004/01/12 16:31 |
| S13   | 754  | public adj keys with generate with key  | USPAT           | OR               | ON      | 2004/01/12 16:40 |
| S14   | 1200 | public adj keys with generat\$3 with key  | USPAT           | OR               | ON      | 2004/01/12 17:05 |
| S15   | 1    | (public adj keys with generat\$3 with key ) with central with office  | USPAT           | OR               | ON      | 2004/01/12 16:41 |
| S16   | 30   | "5402490".URPN.   | USPAT           | OR               | OFF     | 2004/01/12 16:42 |
| S17   | 25   | public adj keys with generat\$3 with common adj key   | USPAT           | OR               | ON      | 2004/01/12 16:48 |
| S18   | 30   | "5402490".URPN.   | USPAT           | OR               | OFF     | 2004/01/12 16:58 |
| S19   | 2    | "6253322".URPN.   | USPAT           | OR               | OFF     | 2004/01/12 16:58 |
| S20   | 1    | "6240513".URPN.   | USPAT           | OR               | OFF     | 2004/01/12 16:59 |
| S21   | 22   | "5144665".URPN.   | USPAT           | OR               | OFF     | 2004/01/12 17:01 |
| S22   | 14   | ("3665162"   "4423287"   "4438824"   "4691350"   "4956863"   "5012514"   "5029207"   "5033084"   "5036461"   "5077790"   "5093860"   "5161189"   "5185795"   "5189700").PN. | USPAT           | OR               | OFF     | 2004/01/12 17:04 |
| S23   | 767  | us\$3 with public adj keys with generat\$3  | USPAT           | OR               | ON      | 2004/01/12 17:06 |

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| S24 | 24  | us\$3 with public adj keys with generat\$3 with (third or common) adj key   | USPAT | OR | ON  | 2004/01/12 17:06 |
| S25 | 15  | us\$3 with public adj keys with generat\$3 with (third or common) adj key not optical                                   | USPAT | OR | ON  | 2004/01/12 17:07 |
| S26 | 33  | "5124117".URPN.   | USPAT | OR | OFF | 2004/01/13 09:48 |
| S27 | 0   | "5903649".URPN.   | USPAT | OR | OFF | 2004/01/13 09:56 |
| S28 | 0   | "5903649".URPN.   | USPAT | OR | OFF | 2004/01/13 09:56 |
| S29 | 31  | "5313521".URPN.   | USPAT | OR | OFF | 2004/01/13 09:56 |
| S30 | 96  | secur\$3 with communicat\$3 and key adj escrow  | USPAT | OR | ON  | 2004/09/27 10:38 |
| S31 | 76  | secur\$3 with communicat\$3 and key adj escrow and @ad<"19990218"   | USPAT | OR | ON  | 2004/09/27 13:44 |
| S32 | 0   | "6775382".URPN.   | USPAT | OR | OFF | 2004/09/27 11:38 |
| S33 | 8   | ("5142578"   "5481613"   "5557346"   "5557765"   "5768373"   "5796830"   "6216229"   "6289105").PN.                     | USPAT | OR | OFF | 2004/09/27 11:38 |
| S34 | 5   | central adj office with key with database   | USPAT | OR | ON  | 2004/09/27 13:52 |
| S35 | 0   | central adj office same public with key with database   | USPAT | OR | ON  | 2004/09/27 13:53 |
| S36 | 0   | central adj office same public with key with database not (central adj office with key with database)                   | USPAT | OR | ON  | 2004/09/27 13:53 |
| S37 | 791 | (encrypt\$3 or public) with key with database   | USPAT | OR | ON  | 2004/09/27 13:53 |
| S38 | 0   | central with office with (encrypt\$3 or public) with key with database  | USPAT | OR | ON  | 2004/09/27 13:53 |
| S39 | 367 | (encrypt\$3 or public) with key with database and secur\$3 with communicat\$3   | USPAT | OR | ON  | 2004/09/27 13:54 |
| S40 | 227 | (encrypt\$3 or public) with key with database and secur\$3 with communicat\$3 and @ad<"19990219"                        | USPAT | OR | ON  | 2004/09/27 13:55 |
| S41 | 4   | (encrypt\$3 or public) with key with database and secur\$3 with communicat\$3 and central adj office and @ad<"19990219" | USPAT | OR | ON  | 2004/09/27 13:55 |

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| S42 | 4    | (encrypt\$3 or public) with key with database and secur\$3 with communicat\$3 and central adj office and @ad<"19990219" not (central adj office with key with database) | USPAT | OR | ON | 2004/09/27 13:58 |
| S43 | 30   | common with channel with signaling with ("number 7" or "no. 7")   | USPAT | OR | ON | 2004/09/27 13:59 |
| S44 | 22   | common with channel with signaling with ("number 7" or "no. 7") and @ad<"19990218"  | USPAT | OR | ON | 2004/09/27 13:59 |
| S45 | 1935 | (common with channel with signaling with ("number 7" or "no. 7") or SS7) and @ad<"19990218"   | USPAT | OR | ON | 2004/09/27 14:04 |
| S46 | 653  | (common with channel with signaling with ("number 7" or "no. 7") or SS7) and (encrypt\$3 or secur\$3) and @ad<"19990218"  | USPAT | OR | ON | 2004/09/27 14:05 |
| S47 | 79   | (common with channel with signaling with ("number 7" or "no. 7") or SS7) same (encrypt\$3 or secur\$3) and @ad<"19990218"   | USPAT | OR | ON | 2004/09/27 14:06 |
| S48 | 22   | (common with channel with signaling with ("number 7" or "no. 7") or SS7) with (encrypt\$3 or secur\$3) and @ad<"19990218"   | USPAT | OR | ON | 2004/09/27 14:09 |
| S49 | 0    | (common with channel with signaling with ("number 7" or "no. 7") or SS7) with key adj database and @ad<"19990218"   | USPAT | OR | ON | 2004/09/27 14:09 |
| S50 | 1    | (common with channel with signaling with ("number 7" or "no. 7") or SS7) same key adj database and @ad<"19990218"   | USPAT | OR | ON | 2004/09/27 14:10 |
| S51 | 1    | (channel with signaling with ("number 7" or "no. 7") or SS7) same key adj database and @ad<"19990218"   | USPAT | OR | ON | 2004/09/27 14:10 |
| S52 | 167  | (channel with signaling with ("number 7" or "no. 7") or SS7) and key with database and @ad<"19990218"   | USPAT | OR | ON | 2004/09/27 14:11 |
| S53 | 19   | (channel with signaling with ("number 7" or "no. 7") or SS7) and key adj database and @ad<"19990218"  | USPAT | OR | ON | 2004/09/27 14:12 |

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| S54 | 8     | (channel with signaling with ("number 7" or "no. 7") or SS7) and key adj database and (encrypt\$3 or secur\$3) and @ad<"19990218" | USPAT           | OR | ON  | 2004/09/27 14:13 |
| S55 | 0     | retriev\$3 with (public or common) with key with central with office with database  | USPAT           | OR | ON  | 2004/09/27 14:27 |
| S56 | 2     | retriev\$3 with (public or common) with key with database and (SS7 or (signa\$3 with channel with "number 7"))                    | USPAT           | OR | ON  | 2004/09/27 14:28 |
| S57 | 76    | retriev\$3 with (public or common) with key with database   | USPAT           | OR | ON  | 2004/09/27 14:29 |
| S58 | 55    | retriev\$3 with (public or common) with key with database and @ad<"19990218"  | USPAT           | OR | ON  | 2004/09/27 15:13 |
| S59 | 0     | "6584563".URPN.   | USPAT           | OR | OFF | 2004/09/27 14:53 |
| S60 | 3     | ("4172213"   "5434920"   "5442708").PN.   | USPAT           | OR | OFF | 2004/09/27 14:53 |
| S61 | 12    | "5434920".URPN.   | USPAT           | OR | OFF | 2004/09/27 14:54 |
| S62 | 0     | matusi.in.  | JPO             | OR | ON  | 2004/09/27 15:13 |
| S63 | 28050 | matsui.in.  | JPO             | OR | ON  | 2004/09/27 15:13 |
| S64 | 672   | matsui.in. and fujitsu.as.  | JPO             | OR | ON  | 2004/09/27 15:13 |
| S65 | 1     | matsui.in. and fujitsu.as. and "19981029".ad.   | JPO             | OR | ON  | 2004/09/27 15:13 |
| S66 | 0     | public adj key near database with encrypt\$3 near number  | US-PGPUB; USPAT | OR | ON  | 2005/05/17 16:41 |
| S67 | 2     | public adj key near database same encrypt\$3 near number  | US-PGPUB; USPAT | OR | ON  | 2005/05/17 16:42 |
| S68 | 44    | public adj key near database and encrypt\$3 near number   | US-PGPUB; USPAT | OR | ON  | 2005/05/17 16:42 |
| S69 | 0     | public adj key near database and encrypt\$3 with dial\$3 with number  | US-PGPUB; USPAT | OR | ON  | 2005/05/17 16:42 |
| S70 | 23    | public adj key near database and encrypt\$3 with call\$3 with number  | US-PGPUB; USPAT | OR | ON  | 2005/05/17 16:47 |
| S71 | 8     | public adj key near database and encrypt\$3 with telephon\$3  | US-PGPUB; USPAT | OR | ON  | 2005/05/17 16:50 |
| S72 | 4534  | encrypt\$3 with (call\$3 dial\$3)   | US-PGPUB; USPAT | OR | ON  | 2005/05/17 16:51 |
| S73 | 548   | encrypt\$3 with dial\$3   | US-PGPUB; USPAT | OR | ON  | 2005/05/17 16:51 |
| S74 | 281   | encrypt\$3 with (call\$3 dial\$3) and key adj database  | US-PGPUB; USPAT | OR | ON  | 2005/05/17 16:52 |
| S75 | 7     | encrypt\$3 with (call\$3 dial\$3) same key adj database   | US-PGPUB; USPAT | OR | ON  | 2005/05/17 16:52 |

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| S76 | 225   | public adj key near database                                  | US-PGPUB;<br>USPAT | OR | ON  | 2005/05/18 11:15 |
| S77 | 1     | public adj key near database same<br>switch\$3                | US-PGPUB;<br>USPAT | OR | ON  | 2005/05/18 11:16 |
| S78 | 326   | key near database and telephon\$3<br>with switch\$3           | US-PGPUB;<br>USPAT | OR | ON  | 2005/05/18 11:16 |
| S79 | 6     | key near database same<br>telephon\$3 with switch\$3          | US-PGPUB;<br>USPAT | OR | ON  | 2005/05/18 11:21 |
| S80 | 52629 | fuji\$3.as.   | US-PGPUB;<br>USPAT | OR | ON  | 2005/05/18 11:22 |
| S81 | 501   | fuji\$3.as. and kimura.in.                                    | US-PGPUB;<br>USPAT | OR | ON  | 2005/05/18 11:22 |
| S82 | 70    | fuji\$3.as. and kimura-m\$.in.                                | US-PGPUB;<br>USPAT | OR | ON  | 2005/05/18 11:22 |
| S83 | 0     | fuji\$3.as. and kimura-maso.in.                               | US-PGPUB;<br>USPAT | OR | ON  | 2005/05/18 11:22 |
| S84 | 55    | fuji\$3.as. and kimura-ma\$.in.                               | US-PGPUB;<br>USPAT | OR | ON  | 2005/05/18 11:23 |
| S85 | 49    | fuji\$3.as. and kimura-mas\$.in.                              | US-PGPUB;<br>USPAT | OR | ON  | 2005/05/18 11:23 |
| S86 | 49    | fuji\$3.as. and kimura-masa\$.in.                             | US-PGPUB;<br>USPAT | OR | ON  | 2005/05/18 11:23 |
| S87 | 0     | fuji\$3.as. and kimura-masao\$.in.                            | US-PGPUB;<br>USPAT | OR | ON  | 2005/05/18 11:23 |
| S88 | 0     | fuji\$3.as. and kimura-misao\$.in.                            | US-PGPUB;<br>USPAT | OR | ON  | 2005/05/18 11:23 |
| S89 | 0     | fuji\$3.as. and kimura-mis\$.in.                              | US-PGPUB;<br>USPAT | OR | ON  | 2005/05/18 11:23 |
| S90 | 0     | fuji\$3.as. and kimura-mi\$.in.                               | US-PGPUB;<br>USPAT | OR | ON  | 2005/05/18 11:23 |
| S91 | 14    | fuji\$3.as. and kimura-mi\$.in.                               | US-PGPUB;<br>USPAT | OR | ON  | 2005/05/18 11:25 |
| S92 | 75    | fuji\$3.as. and kimura-mi\$.in.                               | JPO;<br>DERWENT    | OR | ON  | 2005/05/18 11:25 |
| S93 | 9     | fuji\$3.as. and kimura-misao\$.in.                            | JPO;<br>DERWENT    | OR | ON  | 2005/05/18 11:25 |
| S94 | 9     | fuji\$3.as. and kimura-misao.in.                              | JPO;<br>DERWENT    | OR | ON  | 2005/05/18 11:25 |
| S95 | 0     | ("6584563").URPN.   | USPAT              | OR | OFF | 2005/05/18 11:39 |
| S96 | 412   | secur\$3 with telephon\$ with<br>switch                       | US-PGPUB;<br>USPAT | OR | ON  | 2005/05/18 11:39 |
| S97 | 2     | secur\$3 with telephon\$ with<br>switch and key near database | US-PGPUB;<br>USPAT | OR | ON  | 2005/05/18 11:40 |
| S98 | 186   | secur\$3 with telephon\$ and key<br>near database             | US-PGPUB;<br>USPAT | OR | ON  | 2005/05/18 11:41 |

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|------|-----|--|-----------------|----|-----|------------------|
| S99  | 6   | secur\$3 with telephon\$ same key near database  | US-PGPUB; USPAT | OR | ON  | 2005/05/18 11:41 |
| S100 | 3   | secur\$3 with telephon\$ same key near database not S79  | US-PGPUB; USPAT | OR | ON  | 2005/05/18 11:47 |
| S101 | 13  | ((("5940187") or ("6098056") or ("6088799") or ("6067546") or ("6035402") or ("5901284") or ("5724426") or ("5684951") or ("5572193") or ("5546447") or ("5325419") or ("5239294") or ("5003595")).PN. | USPAT           | OR | OFF | 2005/05/18 11:48 |
| S102 | 7   | ("6067546").URPN.  | USPAT           | OR | OFF | 2005/05/18 13:24 |
| S103 | 15  | ("5901284").URPN.  | USPAT           | OR | OFF | 2005/05/18 13:24 |
| S104 | 12  | ("5724426").URPN.  | USPAT           | OR | OFF | 2005/05/18 13:28 |
| S105 | 113 | ("5239294").URPN.  | USPAT           | OR | OFF | 2005/05/18 13:32 |
| S106 | 17  | ("5689563").URPN.  | USPAT           | OR | OFF | 2005/05/18 13:53 |
| S107 | 18  | google.as.   | US-PGPUB; USPAT | OR | OFF | 2005/05/19 10:34 |
| S108 | 54  | switch\$3 with session adj key   | US-PGPUB; USPAT | OR | ON  | 2005/05/24 15:54 |
| S109 | 131 | switch\$3 with (common session) adj key  | US-PGPUB; USPAT | OR | ON  | 2005/05/24 15:54 |
| S110 | 83  | switch\$3 with (common session) adj key and (@ad<"19990218" @prad<"19990218")  | US-PGPUB; USPAT | OR | ON  | 2005/05/24 15:55 |